

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2750	(rotary near3 atomiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 10:38
S6	47	(rotary near3 atomiz\$5) (vibrat\$4 same plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 12:10
S7	258	((bell or rotary or \$5sonic) near3 atomiz\$5) (vibrat\$4 with plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 12:31
S8	4	((bell or rotary or \$5sonic) near3 atomiz\$5) (vibrat\$4 with plate) (rotary with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 12:13
S9	212	((bell or rotary or \$5sonic) near3 atomiz\$5) (vibrat\$4 with plate)	USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 12:35
S10	25	((bell or rotary or \$5sonic) near3 atomiz\$5) (vibrat\$4 with plate) rotary	USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 12:43
S11	60	atomiz\$5 (vibrat\$4 near3 plate) rotary	USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 15:15
S12	45	atomiz\$5 (vibrat\$4 near3 (plate or plane or member or piece or part)) rotar\$ \$5sonic\$5	USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 15:48
S13	15	(atomiz\$5 with (vibrat\$7 near3 \$5sonic\$5)) (radial\$ with (spatter\$ or spray\$))	USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 16:03
S14	7	(atomiz\$5 with (vibrat\$7 near3 \$5sonic\$5)) (radial\$ with (spatter\$ or spray\$))	US-PGPUB	AND	ON	2007/04/09 16:05
S15	2679	(239/1,4,7,693,699,700-703,102.1, 102.2,403,63).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:04
S16	541	S15 and \$5sonic\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 17:06
S17	319	S16 and (rota\$8 or radia\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 17:07

## EAST Search History

S18	103	S16 and (rota\$8 or radia\$5).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 17:07
S19	64	S16 and (rota\$8 or radia\$5).clm. and \$5sonic\$5.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 17:18
S20	95	S15 and (rotary near3 atomiz\$5). ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 17:20
S21	1	S15 and (rotary near3 atomiz\$5). ab,clm. and \$5sonic\$5.ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 20:04
S23	4	((("4153201") or ("4540123") or ("4981425") or ("5122047"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:44
S24	443	((ultrasonic or supersonic) near3 atomiz\$5) ((rota\$8 or radia\$5) with (spatter\$4 or spray\$4 or coat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 18:51
S25	260	((ultrasonic or supersonic) near3 atomiz\$5) ((rota\$8 or radia\$5) with (spatter\$4 or spray\$4 or coat\$4)) (method or means).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 18:43
S26	183	S24 not S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 18:43
S27	130	((ultrasonic or supersonic) with atomiz\$5) ((rota\$8 or radia\$5) with (spatter\$4 or spray\$4 or coat\$4)) not S24	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/04/09 18:52
S59	2237	(annulus or annular) near3 (vibrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 17:45
S60	420	((annulus or annular) near3 (vibrat\$4)) and (supersonic or ultrasonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 17:45
S61	51	((annulus or annular) near3 (vibrat\$4)) and (supersonic or ultrasonic) and atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 19:39
S62	308	(239/102.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/14 18:04

## EAST Search History

S63	345	(vibrat\$5 adj (plate or plane or member or element or part or surface)) with atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 19:42
S64	78	S63 and (annulus or annular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 20:54
S65	5095	(vibrating or vibrational) adj plate	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 20:55
S66	55	((vibrating or vibrational) adj plate) with atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 20:56
S68	446	((vibrating or vibrational) adj plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 20:56
S70	13	((vibrat\$5) adj plane) and atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 20:59
S71	1849	((vibrat\$5) and (annul\$2)) and atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 21:00
S72	240	((vibrat\$5) with (annul\$2)) and atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 21:00
S73	66	((vibrat\$5) with (annul\$2)) with atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/14 21:00
S74	283	("cylindrical horn" or (horn near3 (cylinder or cylindr\$4))) with (supersonic or ultrasonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/15 15:27
S75	46	("cylindrical horn" or (horn near3 (cylinder or cylindr\$4))) with (supersonic or ultrasonic) and atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/15 15:31
S76	51	("cylindrical horn" or (horn near3 (cylinder or cylindr\$4))) with (supersonic or ultrasonic) and rotary	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/05/15 15:59

## EAST Search History

S80	389	annul\$2 near3 horn	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/14 17:43
S81	29	annul\$2 adj horn	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/14 17:36
S82	8	S80 SAME atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/14 17:36
S83	1342	cylind\$5 near3 horn	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/14 17:44
S84	36	S83 SAME atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/14 17:51
S85	12	acoustic adj atomiz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/14 17:52
S94	61	(paint\$3 or apply\$3 or applicat\$3 or coat\$3) same (\$5sonic\$4 with atomiz\$5) same (rotary or rotation\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/21 16:01
S95	8	(paint\$3 ) same (\$5sonic\$4 with atomiz\$5) same (rotary or rotation\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/21 16:03
S96	1	(paint\$3 ) same ((\$5sonic\$4 or acoustic) with atomiz\$5) same spatter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/21 16:04
S97	56	(paint\$3 ) same ((\$5sonic\$4 or acoustic) with atomiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/21 16:24
S10 1	9410	(cylind\$5 or annul\$2) near4 ((plurality or number or discrete) near3 (segment or section))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/06/21 16:41